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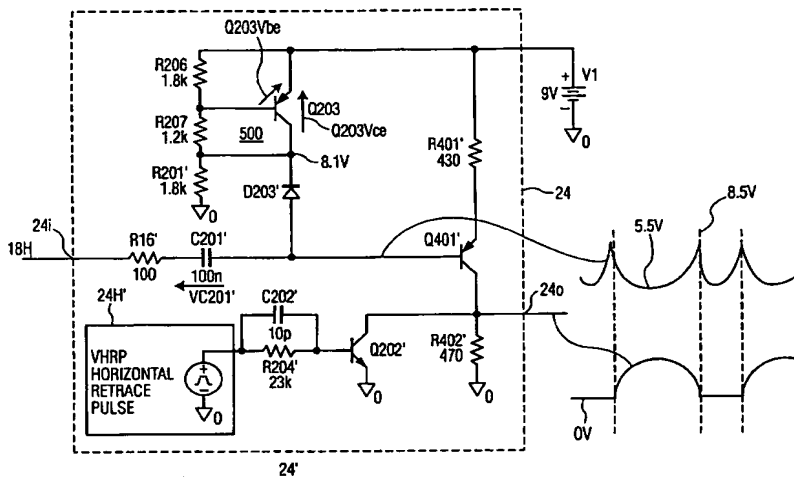
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(54) Title: **WAVEFORM GENERATOR FOR CONTROLLING AN ELECTRON BEAM IN A CATHODE RAY TUBE**



(57) Abstract: A parabola generator for providing dynamic correction includes a capacitor a source of a parabolic input signal at a frequency related to a horizontal deflection frequency coupled to a first terminal of the capacitor. A diode switch is coupled to a voltage at a reference level and to a second terminal of the capacitor for periodically clamping a peak level of a signal developed at the second terminal. A transistor switch is responsive to a periodic switch control signal and coupled to the second terminal of said capacitor for periodically clamping a signal applied from the second terminal, during retrace, for removing a parasitic parabolic voltage portion to generate a dynamic correction signal. The dynamic correction signal is coupled to a cathode ray tube to vary a field in a beam path of an electron beam of the cathode ray tube for providing dynamic correction.

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